

Recovery Plan Action Status

Plan Name: Technical/Agency Draft Recovery Plan for the Relict Darter (*Etheostoma chienense*)

Plan Status: Draft

Plan Date: 31-Jul-94

Lead Agency: USFWS

Lead Office: Kentucky Ecological Services Field Office

(502)

695-0468)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Relict darter (<i>Etheostoma chienense</i>)	1	1	Continue to utilize existing legislation and regulations to protect species and its habitat	Not Started			U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	**For any task containing, in the Responsible Parties field, SCA - Includes the Kentucky Department of Fish and Wildlife Resources and Kentucky State Nature Preserves Commission; FA - Includes the U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, and U.S. Soil Conservation Service
Relict darter (<i>Etheostoma chienense</i>)	2	10	Develop and implement a monitoring program	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	
Relict darter (<i>Etheostoma chienense</i>)	3	11	Annually assess recovery program and modify program and plan where required	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	

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Relict darter (Etheostoma chienense)	1	2	Develop information and education program and present	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	Task duration: 1 year (then continuous)
Relict darter (Etheostoma chienense)	1	3	Conduct research necessary for species management and recovery; i.e., habitat requirements, biology, and threat analysis	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Research: Demographic Studies, Research: Habitat Requirements, Research: Other Information, Research: Population Assessment, Research: Population Surveys	Contract, Graduate Student, Internal Technical Assistance, Species Expert	Initial ecological and distributional surveys completed through KDFWR in 1996/97 (by S. Illinois Univ, Sect. 6 funds); ark population established in 2003 at Wolf Creek NFH - most inds released by KDFWR during FY08 - Wolf Creek retained about 25 specimens.
Relict darter (Etheostoma chienense)	1	4	Based on biological and threat analysis, investigate need for management and implement where needed	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	

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Relict darter (<i>Etheostoma chienense</i>)	1	5	Develop cooperative ventures with private landowners to restore riparian habitat	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	Private Lands/Partners for Fish and Wildlife Program in KY (KY ES Field Office) continues to work with private landowners (farmers) in the Bayou du Chien basin to implement BMPs (tree plants, cattle exclusion, grade control structures) and prevent sedimentation, bank erosion, head-cuts, and introduction of animal waste into the mainstem and its tributaries.
Relict darter (<i>Etheostoma chienense</i>)	1	6	Develop techniques, select sites, reintroduce the species back into historic habitat, and evaluate and protect any populations established	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	
Relict darter (<i>Etheostoma chienense</i>)	2	7	Meet with local governmental officials and business interests and elicit their support for recovery	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	
Relict darter (<i>Etheostoma chienense</i>)	2	8	Determine number of individuals required to maintain viable population	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Work type not yet selected	Labor type not yet selected	

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Relict darter (<i>Etheostoma chienense</i>)	2	9	Search for additional populations and suitable habitat	Planned	FY 2010		U.S. Fish and Wildlife Service, Endangered Species Division, The Nature Conservancy, State Conservation Agencies, Federal Agencies, USFWS Regional Office 4	Research: Population Surveys	Internal Technical Assistance, Species Expert	Surveys are planned for Sept 09 for historic sites and new sites in Bayou du Chien system. Coop effort of KFO, KDFWR, and KSNPC